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The world Polleniidae (Diptera, Oestroidea): key to genera and checklist of species

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Abstract

A key to the world genera and a checklist of the world species for the family Polleniidae, including distributions, are provided. The following taxonomic and nomenclatural changes are proposed: *Nitellia hermoniella* Lehrer, 2007 = *Pollenia mediterranea* Grunin, 1966, **syn. nov.**, *Pollenia bentalia* Lehrer, 2007 = *Pollenia semicinerea* Villeneuve, 1911, **syn. nov.**, *Dasypoda angustifrons* Jacentkovský, 1941 = *Pollenia tenuiforceps* Séguy, 1928, **syn. nov.**; *Anthracomyza* Malloch, 1928, **resurrected name** (monotypic; type species *Anthracomyia atratula* Malloch) is considered a valid name and tentatively assigned to Polleniidae, giving *Anthracomyza atratula* (Malloch, 1927) as a **resurrected combination**; *Morinia crassitarsis* (Villeneuve, 1936), **stat. rev.** is considered a valid species, and *Micronitellia* Enderlein, 1936, **stat. nov.** is considered an available name.

Keywords

Calliphoridae, Calyptratae, catalogue, cluster flies, key, parasitoids, taxonomy

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Introduction

The family Polleniidae (cluster flies) is a small group of oestroid flies comprising 147 species (Cerretti et al. 2019 and present paper). The family group name was originally proposed by Brauer and Bergenstamm (1889) to include the single genus *Pollenia* Robineau-Desvoidy. Later, the Old World *Pollenia sensu lato* (i.e., including the morphologically diverging New Zealand *Pollenia* species), the Oriental genera *Dexopollenia* Townsend and *Xanthotryxus* Aldrich, and the Nearctic genus *Melanodexia* Williston were treated in Calliphoridae as composing the subfamily Polleniinae (or tribe Polleniini) (e.g., Hall 1965; Dear 1986; Schumann 1986; Kurahashi 1989). The group was then re-circumscribed by Rognes (1991a) to include *Morinia* Robineau-Desvoidy, *Nesodexia* Villeneuve and (tentatively) *Wilhelmina* Villeneuve, the latter being reassigned to the calliphorid subfamily Phumosiinae by Rognes (2011), which is followed here. More recently, Cerretti et al. (2019) elevated the group to full family rank and gave morphological and molecular evidence to support both the monophyly of the Polleniidae and the inclusion of six taxa previously assigned to the Rhinophoridae, namely *Alvamaja chlorometallica* Rognes and five Afrotropical species moved from the genus *Phyto* Robineau-Desvoidy into *Morinia* (Cerretti et al. 2020).

During the last few years molecular data consistently retrieved the Polleniidae (almost always represented only by *Pollenia*) as sister to the Tachinidae and phylogenetically distant from the 'core' Calliphoridae (e.g., Singh and Wells 2013; Winkler et al. 2015; Cerretti et al. 2017; Blaschke et al. 2018; Kutty et al. 2019; Stireman et al. 2019) but this sister group relationship has remained practically without support from morphological evidence: the currently most convincing non-molecular synapomorphy could well be the breeding habit as parasitoids of soil-dwelling invertebrates. Tachinids are parasitoids of other arthropods, and groups near the base of the family develop on soil-dwelling insect larvae (Cerretti et al. 2014; Stireman et al. 2019); the natural history and host range information of polleniids is limited to a handful of *Pollenia* species (Keilin 1915; Tawfik and El-Husseini 1971; Yahnke and George 1972; Rognes 1991a; Szpila 2003; Grzywacz et al. 2012; El Husseini 2019), and all of these develop as endoparasitoids in earthworms. Marshall (2020) observed a native New Zealand *Pollenia* displaying what can only be interpreted as oviposition behaviour, extending the ovipositor into a mixture of loose soil and organic debris. Recent field observations of adults of an unidentified species of *Melanodexia* revealed that females have a similar behaviour to that observed for several *Pollenia* and other parasitoids of soil-dwelling organisms: they can be seen walking frenetically on bark lying on the ground, keeping wings folded on their back (SG pers. obs. 2019, California).

We recognise 147 species of Polleniidae classified into eight genera (Fig. 1). *Pollenia* is the most species-rich and widespread genus, with 95 species described from the Palaearctic, Oriental and Australasian regions [and seven species known from the Nearctic Region as introductions (Rognes 1991a; Whitworth 2006; Jewiss-Gaines et al. 2012, Bowser 2015)] (Fig. 2). The remaining seven genera are considerably less diverse: the single species assigned to *Alvamaja* Rognes (*A. chlorometallica* Rognes) is recorded from a few localities in southeastern Europe, *Dexopollenia* comprises 21 species from the southeastern Palaearctic and the Oriental Region, the Nearctic endemic genus *Melanodexia* includes eight species, *Morinia* contains 13 species from the Afro-

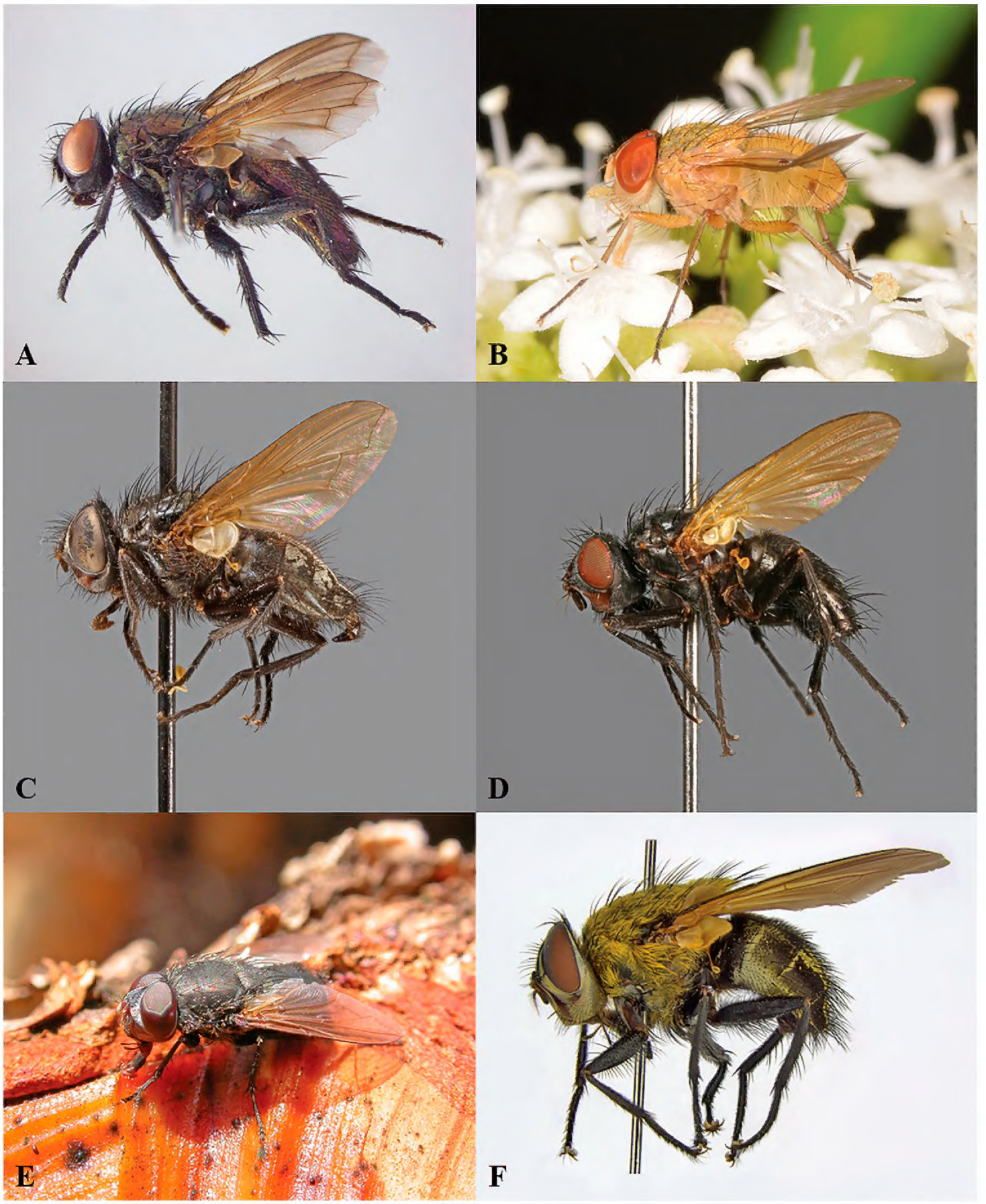

Figure 1. Representative species for all genera of Polleniidae. **A** *Alvamaja chlorometallica* Rognes [Romania] **B** *Dexopollenia* cf. *flava* (Aldrich) [Japan: Honshu] **C** *Melanodexia satanica* Shannon [USA: California] **D** *Morinia tsitsikamma* Cerretti et al. [South Africa] **E** *Pollenia* sp. [Italy] **F** *Xanthotryxus mongol* Aldrich [China]. Photographs: Cerretti et al. (2019) (**A**), K. Oomori (**B**), P. Cerretti (**E**), K. Szpila (**F**).

tropical and Palaearctic regions and *Xanthotryxus* includes seven species from southeastern Palaearctic and the Oriental Region. The remaining genera, the monotypic Australian *Anthracomyza* Malloch and the Palaearctic *Nesodexia* Villeneuve, are here tentatively assigned to the family. Remarkably, there are no Polleniidae recorded from the Neotropical Region, neither native nor introduced.

Many regional catalogues and keys to polleniid genera (and species) have been published in the recent decades (e.g., Hall 1948; James 1955, 1970, 1977; Lehrer 1972; Pont 1980; Shewell 1987; Rognes 1991a, 1998; Kurahashi 1995; Jewiss-Gaines et al. 2012; Pape et al. 2015), and an incomplete key to genera is available from Peris (2004). The aim of the present paper is to lay the foundation for future taxonomic and phylogenetic studies by producing a key to the world genera of the family Polleniidae and a checklist of the world species.

Materials and methods

Key to genera

A dichotomous key to the adults of both sexes was constructed to contain the genera here considered members of the Polleniidae. This means that we are excluding the monotypic genera *Wilhelmina* Schmitz & Villeneuve, 1932 and *Nepenthomyia* Kurahashi & Beaver, 1979, both associated with pitcher plants of the genus *Nepenthes* and not considered polleniids. *Wilhelmina* was considered a possible member of Polleniidae (or Polleniinae, or Polleniini) by Schmitz and Villeneuve (1932), Fan (1965, 1992,

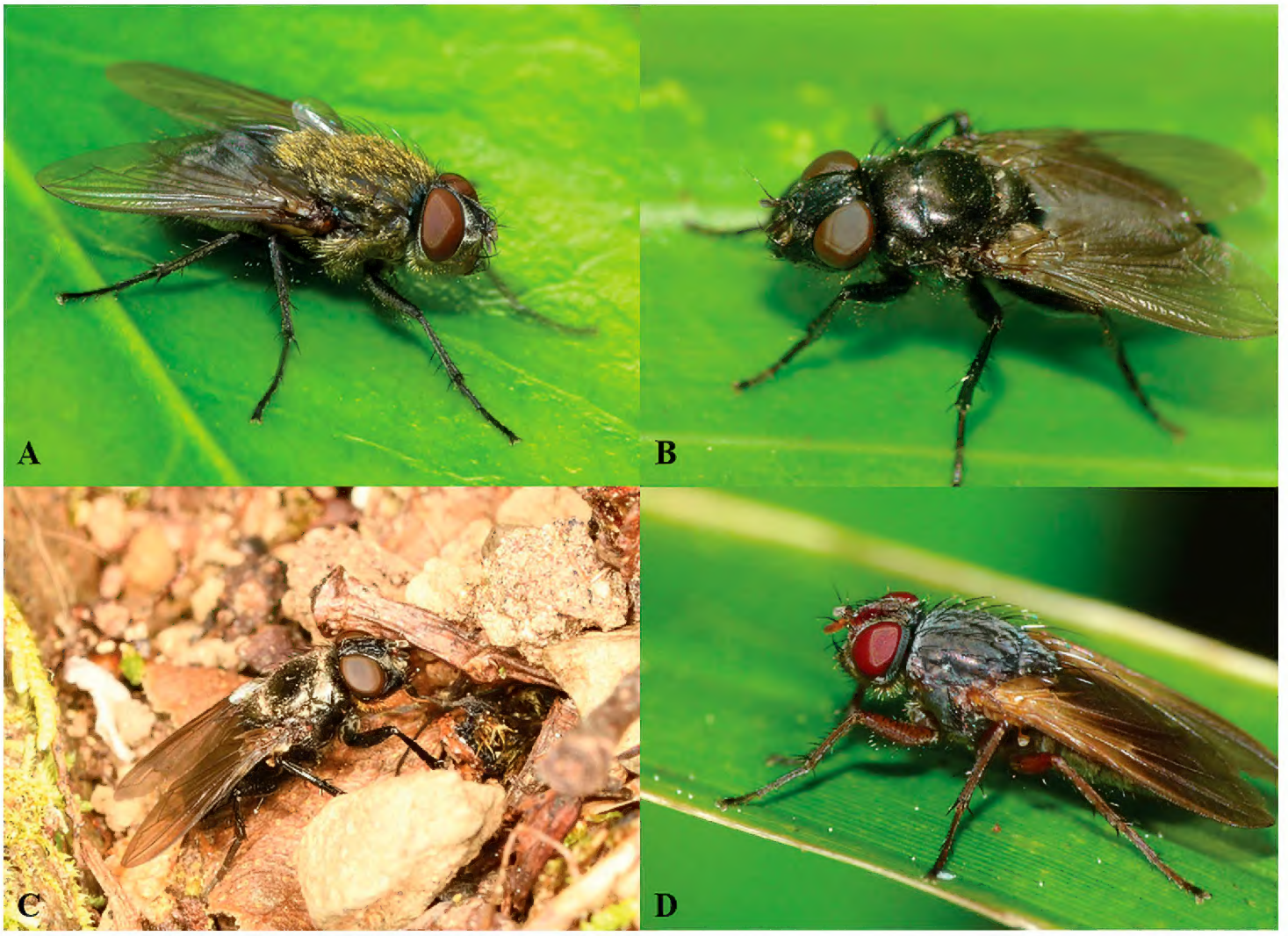

Figure 2. Diversity of the genus *Pollenia*. **A** *Pollenia pediculata* Macquart [New Zealand] **B** *Pollenia pernix* (Hutton) [New Zealand] **C** *Pollenia* nr. *pernix* [New Zealand] **D** *Pollenia uniseta* Dear [New Zealand]. Photographs: S. Kerr (**A, B, D**), S. Marshall (**C**).

1997) and Rognes (1991a), but we follow Rognes (2011) in suggesting its reassignment to Phumosiinae. *Nepenthomyia* was considered "closely related" to *Wilhelmina* by Kurahashi and Beaver (1979), although with no indication of subfamily assignment, and a position within the Polleniinae was not accepted by Rognes (1991a). The key was constructed through direct examination of available material and from literature data. No specimens of *Anthracomyza* were examined and characters for it were derived from the original description by Malloch (1927).

Digital images of the specimens shown in Fig. 1C, D were taken using a Canon EOS 6D camera equipped with Canon Photo lens MP-E 65 mm 1.2.8 and processed by Canon Digital Photo Professional (Canon: Ōta, Tokyo, Japan), Combine ZM by Alan Hadley and GIMP 2.10.4 by Alexandre Prokoudine.

World checklist

The world checklist is based on original literature, though following the papers by Rognes (1987b, 1991a, 1998, 2010), Evenhuis et al. (2004, 2010, 2015, 2016), O'Hara et al. (2011), Cerretti et al. (2019) and literature therein. It lists all currently valid nominal genera and species of the family Polleniidae including their synonyms and associated *nomina nuda*. Incorrect subsequent spellings have been entered to the extent they have come to our knowledge. Valid names of taxa are arranged alphabetically according to genus and species (no subfamilial or tribal classification is recognised here). Each genus-group name is listed with author, year, page, type species with author and date, and form of type fixation with author and date. Each type species is given in its original binomen (ICZN 1999; recommendation 67B), and if that name is a junior synonym it is followed by the valid name of the species in square brackets. Each species-group name is listed with author, year, page, type locality in standardised modern spelling (original quote in parenthesis if needed to avoid confusion), and relevant nomenclatural details (homonymy, lectotype designations, etc.). Unavailable names are listed with an explanation as to their unavailability, and incorrect subsequent spellings are given with the relevant reference. New specific synonyms are based on comparisons of the original descriptions of the nominal species in question with material (specimens, photos, illustrations) available to the authors. Additional information may be given under "Remarks". Distributional data are based on the literature and online databases (Fauna Europaea [Pape et al. 2015] for Palaearctic species) but we do not refer all records to their original sources. Records have been entered to the extent they have come to our knowledge and they are reported for countries and major islands, except that larger countries are recorded at the level of state or province.

Caveat for key users

Notwithstanding strong molecular evidence suggesting the monophyly of Polleniidae, members of the group apparently do not share any unique morphological apomorphy. For this reason, it is not possible to provide a simple and clear-cut diagnosis of this oestroid family since several exceptions have to be taken into account once given a

common set of characters. Therefore, we refer to Cerretti et al.'s (2019) diagnosis of the Polleniidae, though highlighting all the uncertainties related to it.

Diagnosis. Small to medium-sized oestroid flies varying from yellow to black in ground colour. Facial sclerite at least weakly carinate [with few exceptions, e.g. *Pollenia griseotomentosa* (Jacentkovský)]. Stem vein bare dorsally. Anal vein not reaching wing margin. Posterodorsal margin of hind coxa bare. Prosternum and proepisternal depression bare. Postalar wall setose (occasionally bare in small specimens of *Morinia*). Female: ovipositor sclerite length moderate; sternite 8 of ovipositor elongate with posterior margin entire; cerci long and narrow. Male: ventral and ventrolateral surface of distalmost parts of distiphallus smooth.

A comprehensive phylogeny including all the eight genera recognised as cluster flies is still awaiting, as well as a thorough revision of the family, therefore generic boundaries within this family are still labile due to the absence of molecular evidence and strong morphological characters. For these reasons, we are here applying a traditional generic division without proposing any subfamilial or tribal classification nor any new generic synonyms. We anticipate future rearrangements, such as *Dexopollenia* synonymised with *Pollenia*, or the exclusion of *Nesodexia*. Moreover, the New Zealand *Pollenia* are still entirely untouched in a phylogenetic context.

Results

Key to genera

1 Simultaneously: body ground colour entirely or largely yellow or testaceous; thorax (occasionally also abdomen) with sparse golden crinkly hair-like setae; parafacial bare below anteriormost frontal seta; subcostal sclerite with only a few pale setulae or without setulae among micropubescence; lower calypter broad ..... ***Dexopollenia*** **Townsend [in part]**

– Body ground colour prevalently black, sometimes with metallic reflections; if abdomen largely yellow, then parafacial bare. Other combination of characters **2**

2 Simultaneously: body ground colour black with metallic green or bronze-violet reflections; parafacial bare; thorax without sparse golden crinkly hair-like setae; lower calypter narrow, tongue-shaped; anterior and posterior fringes of metathoracic spiracle subequal in size; node at base of R_{4+5} with 1–3 fine setulae; slender bodied flies ..... ***Alvamaja*** **[*chlorometallica*] Rognes**

– Body colouration without metallic reflections; if body black with bronze, green, blue or violet metallic reflections then other combination of characters **3**

3 Thorax with numerous golden crinkly hair-like setae in addition to ground setulae **4**

– Thorax without golden crinkly hair-like setae 7

4 Simultaneously: scutum usually with 1 + 2 intra-alar setae [0 + 2 in some New Zealand species]; hind tibia with posterodorsal preapical seta not differentiated. Parafacial setulose on nearly whole length. Body ground colour varying from metallic or non-metallic black [Palaearctic species] to metallic green/blue or violet [New Zealand species], rarely abdomen yellow [*P. bicolor* Robineau-Desvoidy]. Lower calypter broad. Subcostal sclerite usually with a bundle of long black or yellow setae among the micropubescence [usually absent in New Zealand species] ..... ***Pollenia* Robineau-Desvoidy [in part]**

– Simultaneously: scutum with 0 + 2 intra-alar setae; hind tibia with anterodorsal, dorsal and posterodorsal preapical setae subequal in size. Parafacial setulose or bare. Body colouration not metallic. Lower calypter broad or narrow. Subcostal sclerite with or without a bundle of long black or yellow setae among the micropubescence **5**

5 Parafacial entirely setulose ..... ***Pollenia* Robineau-Desvoidy [in part, Australia]**

– Parafacial bare or with at most a few setulae in the upper half [Palaearctic and Oriental] **6**

6 Parafacial bare except for the extreme uppermost part where a few short setulae are usually present below the anteriormost frontal seta. One or 2 presutural acrostichal setae. Two to 4 postpronotal setae. Subcostal sclerite with numerous black or yellow setulae among the micropubescence. Coxopleural streak absent. Lappets of metathoracic spiracle dark brown. Large-sized species [except for *X. ludigensis* Fan] ..... ***Xanthotryxus* Aldrich**

– Parafacial entirely bare below anteriormost frontal seta. One presutural acrostichal seta. Two postpronotal setae. Subcostal sclerite bare or at most with a few pale setulae among micropubescence. Coxopleural streak absent or present. Lappets of metathoracic spiracle yellow or dark. Small to medium-sized species ..... ***Dexopollenia* Townsend [in part]**

7 Node at base of R_{4+5} setulose dorsally **8**

– Node at base of R_{4+5} bare dorsally. [Lower calypter narrow. Scutum with 0 + 2 intra-alar setae. Hind tibia with 3 preapical setae (i.e., anterodorsal, dorsal and posterodorsal), all approximately the same size] **9**

8 Parafacial bare. Scutum with 1 + 3 intra-alar setae and 4 postsutural acrostichal setae. Large, robust species with white microtomentose stripes on thorax and a chequered abdomen ..... ***Nesodexia* Villeneuve [tentatively assigned to Polleniidae, see below]**

– Parafacial setulose. Scutum with 0–1 + 2 intra-alar setae, 2 or 3 postsutural acrostichal setae. Thorax and abdomen shiny black. Small to medium sized species ..... ***Anthracomyza* Malloch [tentatively assigned to Polleniidae, see below]**

9 Two marginal scutellar setae [Old World] ..... ***Morinia* Robineau-Desvoidy**

– Three to 5 marginal scutellar setae [New World] ..... ***Melanodexia* Williston**

World checklist

Family Polleniidae Brauer & Bergenstamm, 1889

Polleniidae Brauer & Bergenstamm, 1889: 85 (17). Type genus *Pollenia* Robineau-Desvoidy, 1830. Without description or definition, but available "by an indication" i.e., by being formed before 1931 "from an available generic name" (ICZN 1999; articles 12.1 and 12.2.4).
Moriniini Townsend, 1919: 546. Type genus *Morinia* Robineau-Desvoidy, 1830.
Melanodexiini Hall, 1948: 351. Type genus *Melanodexia* Williston, 1893.

Genus *Alvamaja* Rognes, 2010

Alvamaja Rognes, 2010: 4. Type species: *Alvamaja chlorometallica* Rognes, 2010, by original designation.

Alvamaja chlorometallica Rognes, 2010

Alvamaja chlorometallica Rognes, 2010: 4. Type locality: Serbia, Pčinja District, Vranjska Banja.

Distribution. Palaearctic – Romania, Serbia.

Genus *Dexopollenia* Townsend, 1917

Dexopollenia Townsend, 1917: 201. Type species: *Dexopollenia testacea* Townsend, 1917, by original designation.

Dexopollenia aurantifulva Feng, 2004

Dexopollenia aurantifulva Feng, 2004: 806. Type locality: China, Sichuan, Ya'an, Mt. Zhougong, 1760 m.

Distribution. Palaearctic – China (Sichuan).

Dexopollenia bicolor Malloch, 1935

Dexopollenia bicolor Malloch, 1935: 671. Type locality: Malaysia, Perak, Bukit Larut (Larut Hills).

Pollenia mallochi Blackith, 1991: 271. Unnecessary new replacement name for *Dexopollenia bicolor* Malloch, 1935.

Distribution. Oriental – Malaysia (West Malaysia), Thailand.

Dexopollenia bicoloripes Malloch, 1931

Dexopollenia bicoloripes Malloch, 1931: 199. Type locality: Malaysia, Selangor, Bukit Kutu.

Distribution. Oriental – Malaysia (West Malaysia).

Dexopollenia chrysothrix Bezzi, 1927

Dexopollenia chrysothrix Bezzi, 1927: 231. Type locality: Australia, New South Wales, Kiuskin [sic] (locality not found).

Distribution. Australasian – Australia (New South Wales).

Dexopollenia disemura Fan & Deng, 1993

Dexopollenia disemura Fan & Deng in Fan, Feng & Deng, 1993: 201. Type locality: China, Sichuan, Mt. Emei, Jinding.

Distribution. Palaearctic – China (Sichuan).

Dexopollenia fangensis Kurahashi, 1995

Dexopollenia fangensis Kurahashi, 1995: 141. Type locality: Thailand, Fang, Doi Huai Hwer, 1231 m.

Distribution. Oriental – Thailand, Vietnam.

Dexopollenia flava (Aldrich, 1930)

Lispoparea flava Aldrich, 1930: 5. Type locality: China, Sichuan, Mt. Emei.

Distribution. Oriental – India, Taiwan. Palaearctic – China (Sichuan), Japan (Honshu).

Dexopollenia geniculata Malloch, 1935

Dexopollenia geniculata Malloch, 1935: 671. Type locality: China, Sichuan, Mt. Emei.

Distribution. Oriental – China (Yunnan), Laos. Palaearctic – China (Sichuan).

Dexopollenia hirtiventris Malloch, 1935

Dexopollenia hirtiventris Malloch, 1935: 669. Type locality: Malaysia, Pahang, Bukit Fraser (= Fraser's Hill).

Distribution. Oriental – Malaysia (West Malaysia).

Dexopollenia luteola (Villeneuve, 1927)

Pollenia luteola Villeneuve, 1927: 393. Type locality: Taiwan, Kosempo and Taihorinsho.

Distribution. Oriental – Taiwan.

Dexopollenia maculata (Villeneuve, 1933)

Lispoparea maculata Villeneuve, 1933b: 196. Type locality: China, Sichuan, Mt. Emei.

Distribution. Oriental – Taiwan. Palaearctic – China (Sichuan).

Dexopollenia monsdulitae (Senior-White, Aubertin & Smart, 1940)

Pollenia monsdulitae Senior-White, Aubertin & Smart, 1940: 131. Type locality: Malaysia, Sarawak, Mt. Dulit, 1219 m.

Distribution. Oriental – Malaysia (Sabah, Sarawak).

Dexopollenia nigra Kurahashi, 1987

Dexopollenia nigra Kurahashi, 1987: 66. Type locality: Papua New Guinea, Southern Highlands, Margarima, Walk River.

Distribution. Australasian – Papua New Guinea.

***Dexopollenia nigriscens* Fan, 1992**

Dexopollenia nigriscens Fan, 1992: 530. Type locality: China, Xizang, Bomi, Yegong, 3050 m.

Distribution. Oriental – Nepal. Palaearctic – China (Xizang).

***Dexopollenia papua* Kurahashi, 1987**

Dexopollenia papua Kurahashi, 1987: 64. Type locality: Papua New Guinea, Southern Highlands, Margarima ("Margarima Farm"), 2000 m.

Distribution. Australasian – Papua New Guinea.

***Dexopollenia sakulasi* Kurahashi,1987**

Dexopollenia sakulasi Kurahashi, 1987: 68. Type locality: Papua New Guinea, Sandaun Province (= West Sepik Province), Torricelli Mts, 900 m.

Distribution. Australasian – Papua New Guinea.

***Dexopollenia testacea* Townsend, 1917**

Dexopollenia testacea Townsend, 1917: 201. Type locality: India, Assam, Mangaldai District, Assam-Bhutan Frontier, Jany [sic] (locality not found).

Distribution. Oriental – India, Nepal.

***Dexopollenia tianmushanensis* Fan, 1997**

Dexopollenia tianmushanensis Fan in Fan (Ed.), 1997: 430. Type locality: China, Zhejiang, Mt. Tianmushan.

Distribution. Palaearctic – China (Zhejiang).

***Dexopollenia trifascia* (Walker, 1861)**

Musca trifascia Walker, 1861: 245. Type locality: Indonesia, Western New Guinea (= Irian Jaya), Dorey.

Distribution. Oriental – Indonesia (Western New Guinea).

Dexopollenia uniseta Fan, 1992

Dexopollenia uniseta Fan in Fan (Ed.), 1992: 529. Type locality: China, Xizang, Cuona.
Dexopollenia wyatti Kurahashi, 1992: 24. Type locality: Malaysia, Sabah, Mt. Kinabalu, Lumu Lumu, 152 m.

Distribution. Oriental – Malaysia (Sabah). Palaearctic – China (Xizang).

Dexopollenia yuphae Kurahashi, 1995

Dexopollenia yuphae Kurahashi, 1995: 140. Type locality: Thailand, Kanchana Buri, near Sai Yok.

Distribution. Oriental – Laos, Thailand, Vietnam.

Genus *Melanodexia* Williston, 1893

Melanodexia Williston, 1893: 256. Type species: *Melanodexia tristis* Williston, 1893, by monotypy.
Melanodexiopsis Hall, 1948: 351. Type species: *Melanodexiopsis tristina* Hall, 1948, by original designation.
Mellanodexmia: Sidhu et al. (2018: 22). Incorrect subsequent spelling of *Melanodexia* Williston, 1893.

Melanodexia californica Hall, 1948

Melanodexia californica Hall, 1948: 354. Type locality: USA, California, Placerville.

Distribution. Nearctic – USA (California).

Melanodexia glabricula (Bigot, 1887)

Nitellia glabricula Bigot, 1887: clxxiv. Type locality: USA, California.

Distribution. Nearctic – USA (California).

***Melanodexia grandis* (Shannon, 1926)**

Melanodexiopsis grandis Shannon, 1926: 138. Type locality: USA, California, Monterey County.
Melanodexiopsis pacifica Hall, 1948: 359. Type locality: USA, California, Monterey County, Pacific Grove.

Distribution. Nearctic – USA (California).

***Melanodexia idahoensis* (Hall, 1948)**

Melanodexiopsis idahoensis Hall, 1948: 357. Type locality: USA, Idaho, Genesee.

Distribution. Nearctic – USA (Idaho).

***Melanodexia nox* (Hall, 1948)**

Melanodexiopsis nox Hall, 1948: 358. Type locality: USA, Oregon, Hood River.

Distribution. Nearctic – USA (California, Oregon, Washington).

***Melanodexia satanica* Shannon, 1926**

Melanodexia satanica Shannon, 1926: 138. Type locality: USA, California, Fresno County, Los Gatos Canyon.

Distribution. Nearctic – USA (California, Washington).

***Melanodexia tristina* (Hall, 1948)**

Melanodexiopsis tristina Hall, 1948: 359. Type locality: USA, California, San Bernardino County.

Distribution. Nearctic – USA (California, Colorado).

***Melanodexia tristis* Williston, 1893**

Melanodexia tristis Williston, 1893: 257. Type locality: USA, California, "southern California" and Monterey County.

Distribution. Nearctic – USA (California).

Genus *Morinia* Robineau-Desvoidy, 1830

Morinia Robineau-Desvoidy, 1830: 264. Type species: *Morinia velox* Robineau-Desvoidy, 1830 [= *Musca doronici* Scopoli, 1763], by subsequent designation (Rondani, 1862: 159).

Calobatemyia Macquart, 1855b: 33. Type species: *Calobatemyia nigra* Macquart, 1855b [= *Musca doronici* Scopoli, 1763], by original designation.

Anthracomya Rondani, 1856: 87. Type species: *Anthracomya geneji* Rondani, 1856 [= *Musca doronici* Scopoli, 1763], by original designation.

Morjnia Rondani, 1862: 151. Unjustified emendation of *Morinia* Robineau-Desvoidy, 1830, *teste* O'Hara et al. (2011).

Antracomya Lioy, 1864: 881. Unjustified emendation of *Anthracomya* Rondani, 1856.

Anthracomyia Rondani, 1868: 50. Unjustified emendation of *Anthracomya* Rondani, 1856.

Disticheria Enderlein, 1934: 188. *Nomen nudum*. [Type species given as *Musca melanoptera* Fallén, 1817, but no description.]

Anthromyia: Sidhu et al. (2018: 22). Incorrect subsequent spelling of *Anthracomya* Rondani, 1856.

Morinia argenticincta (Senior-White, 1923)

Idiopsis argenticincta Senior-White, 1923: 48. Type locality: India, Himachal Pradesh, Shimla.

Distribution. Oriental – India, Nepal. Palaearctic – Japan (Honshu)

Morinia carinata (Pape, 1987)

Phyto carinata Pape, 1987: 378. Type locality: South Africa, Western Cape, Cape Point Nature Reserve.

Distribution. Afrotropical – South Africa.

Morinia doronici (Scopoli, 1763)

Musca doronici Scopoli, 1763: 333. Type locality: Slovenia [as "Carniola"].

Musca melanoptera Fallén, 1817: 253. Type locality: Sweden, Östergötland or Västergötland. [Lectotype designated by Rognes (1991a: 211).] Junior primary homonym of *Musca melanoptera* Gmelin, 1790: 2833 [Bombyliidae].

Morinia velox Robineau-Desvoidy, 1830: 265. Type locality: not stated, probably France, Yonne, Saint-Sauveur-en-Puisaye.
Morinia fuscipennis Robineau-Desvoidy, 1830: 265. Type locality: not stated, probably France, Yonne, Saint-Sauveur-en-Puisaye.
Anthracomya geneji Rondani, 1856: 87 [as *Genèji*]. Type locality: Italy.
Calobatemyia nigra Macquart, 1855b: 34. Type locality: Switzerland.

Distribution. Palaearctic – Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Netherlands, Norway, Poland, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine.

Morinia crassitarsis (Villeneuve, 1936)

Anthracomyia crassitarsis Villeneuve, 1936: 7. Type locality: China, Sichuan. Stat. rev. [as var. of *Anthracomyia melanoptera* (Fallén, 1817). Subspecific status according to ICZN 1999; article 45.6.4.]

Distribution. Palaearctic – China (Sichuan).

Remarks. The name-bearing type of *M. crassitarsis* has not been located, but unpublished studies (by TP) of Chinese specimens matching the original description would seem to support a status for this nominal species as valid.

Morinia lactineala (Pape, 1997)

Phyto lactineala Pape, 1997: 160. Type locality: South Africa, Western Cape, 10 km S Citrusdal, Koornlandskloof.

Distribution. Afrotropical – South Africa.

Morinia longirostris (Crosskey, 1977)

Phyto longirostris Crosskey, 1977: 44. Type locality: South Africa, Western Cape, Cape Town, Table Mountain, slopes above cable house.

Distribution. Afrotropical – South Africa.

Morinia nigerrima (Herting, 1961)

Anthracomyia nigerrima Herting, 1961: 9. Type locality: Japan, Hoshi-Gunma [sic] (likely Gunma prefecture, locality not found).

Anthromyia nigrerrima: Sidhu et al. (2018: 22). Incorrect subsequent spelling of *Anthracomyia nigerrima* Herting, 1961.

Distribution. Palaearctic – Japan (?Honshu).

Morinia piliparafacia Fan, 1997

Morinia piliparafacia Fan in Fan et al. 1997: 438. Type locality: China, Sichuan, Mt. Gongga, 2500 m.

Distribution. Palaearctic – China (Sichuan).

Morinia proceripenisa Feng, 2004

Morinia proceripenisa Feng, 2004: 806. Type locality: China, Sichuan, Mt. Erlang, 2670 m.

Distribution. Palaearctic – China (Sichuan).

Morinia royi (Pape, 1997)

Phyto royi Pape, 1997: 163. Type locality: South Africa, Western Cape, Overberg District, De Hoop Nature Reserve.

Distribution. Afrotropical – South Africa.

Morinia skufyini Khitsova, 1983

Morinia skufyini Khitsova, 1983: 1588. Type locality: Russia, Krasnodar Krai, Caucasus Nature Reserve, Kozlinaya balka [sic] (locality not found).

Distribution. Palaearctic – Russia (Krasnodar).

Morinia stuckenbergi (Crosskey, 1977)

Phyto stuckenbergi Crosskey, 1977: 44. Type locality: South Africa, Western Cape, Bredasdorp District, Arniston coastal dunes.

Distribution. Afrotropical – South Africa.

Morinia tsitsikamma Cerretti, Stireman, Badano, Gisondi, Rognes, Lo Giudice & Pape, 2019

Morinia tsitsikamma Cerretti, Stireman, Badano, Gisondi, Rognes, Lo Giudice & Pape, 2019: 964. Type locality: South Africa, Western Cape, Bloukrans Pass.

Distribution. Afrotropical – South Africa.

Genus *Pollenia* Robineau-Desvoidy, 1830

Pollenia Robineau-Desvoidy, 1830: 412. Type species: *Musca rudis* Fabricius, 1794, by original designation.

Nitellia Robineau-Desvoidy, 1830: 417. Type species: *Musca vespillo* Fabricius, 1794, *sensu* Coquillett [misidentification, = *Musca atramentaria* Meigen, 1826 *teste* Rognes (1991a: 215)], by designation of Coquillett (1910: 576). *Remarks.* The type species has been misidentified, and we here follow ICZN 1999 (*Code* Article 70.3.2) and designate the taxonomic species actually involved in the misidentification.

Cephysa Robineau-Desvoidy, 1863: 655, 677. Type species: *Cephysa muscidea* Robineau-Desvoidy, 1863, by monotypy.

Orizia Robineau-Desvoidy, 1863: 655, 678. Type species: *Orizia conjuncta* Robineau-Desvoidy, 1863, by subsequent designation (Townsend, 1916: 8).

Chaetopollenia Enderlein, 1936: 211 [as *Chætopollénia*]. Type species: *Musca vespillo* Fabricius, 1794, *sensu* Enderlein [misidentification, = *Musca amentaria* Scopoli, 1763 *teste* Rognes (1991a: 218)], by monotypy. *Remarks*. The type species has been misidentified, and we here follow ICZN 1999 (*Code* Article 70.3.2) and designate the taxonomic species actually involved in the misidentification.

Micronitellia Enderlein, 1936: 211 [as *Micronitéllia*]. Type species: *Musca varia* Meigen, 1826, by monotypy. Stat. nov. *Remarks.* We here consider Enderlein's (1936) type fixation for *Micronitellia* valid, therefore we do not regard Lehrer (1967) as the first reviser as previously suggested by Rognes (1991a).

Trichopollenia Enderlein, 1936: 211 [as *Trichopollénia*]. Type species: *Musca vagabunda* Meigen, 1826, by monotypy.

Polleniella Jacentkovský, 1941a: 15, 16. *Nomen nudum*. [No description.]

Buresiella Jacentkovský, 1941b: 21, 22 [as *Burešiella*]. Type species: *Pollenia pallida* Rodendorf, 1926, by monotypy.

Dasypollenia Jacentkovský, 1941b: 20, 22. *Nomen nudum*. *Remarks*. Genus-group name proposed after 1930 without designation of type species from four included species.

Polleniella Jacentkovský, 1941b: 20, 22. Type species: *Polleniella distincta* Jacentkovský, 1941 [= *Pollenia mayeri* Jacentkovský, 1941], by monotypy. Unavailable name; type species a *nomen nudum*. Validated by Jacentkovský (1942).

Polleniomyia Jacentkovský, 1941b: 20, 23. *Nomen nudum*. *Remarks*. Genus-group name proposed after 1930 without designation of type species from two included species.

Pseudopollenia Jacentkovský, 1941b: 21, 22. Type species: *Pollenia vera* Jacentkovský, 1936, by monotypy.

Bureschiella Jacentkovský, 1941c: 31. Unjustified emendation of *Buresiella* Jacentkovský, 1941. Type species: *Pollenia pallida* Rohdendorf, 1926, automatic.

Chaetopollenia Jacentkovský, 1941c: 31. *Nomen nudum*. [No description.]

Dasypollenia Jacentkovský, 1941c: 31. *Nomen nudum*. [No description. No type species designated.]

Polleniomyia Jacentkovský, 1941c: 31. *Nomen nudum*. [No description. No type species designated.]

Polleniella Jacentkovsky, 1942: 209 (17). Type species: *Pollenia mayeri* Jacentkovský, 1941a: 14.

Dasypollenia Jacentkovský, 1942: 210 (18). *Nomen nudum*. *Remarks*. Genus-group name proposed after 1930 without designation of type species from four included species.

Polleniomyia Jacentkovský, 1942: 220 (28). Type species: *Pollenia labialis* Robineau-Desvoidy, 1863, by original designation.

Polleniomyma Jacentkovský, 1944b: 119. Unnecessary new replacement name for *Polleniomyia* Jacentkovský, 1942.

Eupollenia Lehrer, 1963: 290. Type species: *Musca rudis* Fabricius, 1794, by original designation.

Jacentkovskyiomyia Lehrer, 1963: 292. Type species: *Polleniella griseotomentosa* Jacentkovský, 1944a, by original designation.

Mariomyia Lehrer, 1963: 292. Type species: *Pollenia mayeri* Jacentkovský, 1941, by original designation.

Parapollenia Lehrer, 1963: 290. Type species: *Pollenia dasypoda* Portschinsky, 1881, by original designation.

Rohdendorfiomyia Lehrer, 1963: 292. Type species: *Musca vespillo* Fabricius, 1794 *sensu* Lehrer [misidentification, = *Musca amentaria* Scopoli, 1763 *teste* Rognes (1991a: 218)], by original designation. *Remarks*. The type species has been misidentified, and we here follow ICZN 1999 (*Code* Article 70.3.2) and designate the taxonomic species actually involved in the misidentification.

Sachtlebeniola Lehrer, 1963: 291, 300. *Nomen nudum*. *Remarks*. Genus-group name proposed after 1930 without designation of type species from five included species.

Seguyiomyia Lehrer, 1963: 293 [as *Séguyiomyia*]. Type species: *Musca vagabunda* Meigen, 1826, by original designation.

Zumptiomyia Lehrer, 1963: 292. Type species: *Pollenia bisulca* Pandellé, 1896, by original designation.

Dasypollenia Lehrer, 1967: 256. Type species: *Pollenia dasypoda* Portschinsky, 1881, by original designation.

Sepimentum Hutton, 1901: 66. Type species: *Sepimentum fumosum* Hutton, 1901, by designation of Townsend (1916: 8).

Huttonophasia Curran, 1927: 354. Type species: *Gymnophania pernix* Hutton, 1901, by original designation.

Pollenia advena Dear, 1986

Pollenia advena Dear, 1986: 32. Type locality: New Zealand, Three Kings Islands, Great Island, Castaway Camp.

Distribution. Australasian – New Zealand.

Pollenia aerosa Dear, 1986

Pollenia aerosa Dear, 1986: 33. Type locality: New Zealand, South Island, Westland District, Lake Paringa.

Distribution. Australasian – New Zealand.

Pollenia agneteae Rognes, 2019

Pollenia agneteae Rognes, 2019: 380. Type locality: Armenia, Aragatsotn, River Kasakh between Alagyaz and Aparan.

Distribution. Palaearctic – Armenia.

Pollenia alajensis Rohdendorf, 1926

Pollenia alajensis Rohdendorf, 1926: 101 [as subspecies of *Pollenia rudis* (Fabricius, 1794)]. Type locality: Kyrgyzstan, Alayskiy Range (Alai or Alay Mts), Fergana ("Kchi Alai") [given by Rohdendorf (1928: 338), see Rognes (1987a).]
Pollenia sytshevskajae Grunin, 1970: 480. Type locality: Kyrgyzstan, Terskey-Alatau Range, Chon-kyzylsu River, 2650 m.
Pollenia sytshevskiae: Schumann (1986: 47). Incorrect subsequent spelling of *Pollenia sytshevskajae* Grunin, 1970.

Distribution. Palaearctic – Kyrgyzstan.

Pollenia amentaria (Scopoli, 1763)

Musca amentaria Scopoli, 1763. Type locality: Slovenia, road below Kranjska Gora and Tolbin. [Neotype designated by Rognes (1991a: 218).]
Pollenia micans Robineau-Desvoidy, 1830: 416. Type locality: not stated, probably France, Yonne, Saint-Sauveur-en-Puisaye.

Musca nigrina Meigen, 1838: 305. Type locality: Germany, Nordrhein-Westfalen, probably Stolberg, near Aachen [as "Hiesige Gegend"]. Junior primary homonym of *Musca nigrina* Fallén, 1817 [Tachinidae]. [Lectotype designated by Rognes (1991a: 221; as "holotype").]

Musca nitens Zetterstedt, 1845: 1340. Type locality: probably Denmark. Junior primary homonym of *Musca nitens* Villers, 1789: 549 [Syrphidae]. [Lectotype designated by Rognes (1991a: 221).]

Chaetopollenia soudeki Jacentkovský, 1941b: 21, 22. Type locality: Czech Republic, Brno, Skolny Statek Adamov, Kanice. [Lectotype designated by Rognes (1991a: 221).]

Distribution. Palaearctic – Albania, Andorra, Armenia, Austria, Belgium, Bulgaria, China (Xinjiang), Croatia, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Iran, Ireland, Italy, Macedonia, Morocco, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, Yugoslavia.

Pollenia angustigena Wainwright, 1940

Pollenia angustigena Wainwright, 1940: 444 [as subspecies of *Pollenia rudis* (Fabricius, 1794)]. Type locality: England, Worcestershire, Abberley Hill. [Lectotype designated by Rognes (1987b: 482).]

Distribution. Nearctic [introduced] – Canada (British Columbia, Ontario, Quebec); USA (California, Colorado, Idaho, Maine, New Jersey, North Carolina, Ohio, Oregon, South Dakota, Utah, Virginia, Washington, Wisconsin). Oriental [introduced] – China (Guangdong). Palaearctic – Andorra, Austria, Belgium, Croatia, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy, Netherlands, Norway, Poland, Portugal (Madeira, mainland), Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine.

Pollenia antipodea Dear, 1986

Pollenia antipodea Dear, 1986: 34. Type locality: New Zealand, South Island, Southland District, Tiwai Point.

Distribution. Australasian – New Zealand.

Pollenia astrictifrons Dear, 1986

Pollenia astrictifrons Dear, 1986: 34. Type locality: New Zealand, South Island, Nelson District, Mt. Murchison, 1350–1440 m.

Distribution. Australasian – New Zealand.

Pollenia atramentaria (Meigen, 1826)

Musca atramentaria Meigen, 1826: 65. Type locality: Austria.
Pollenia levis Rondani, 1862: 195. Type locality: Italy, Parma or Lombardy [as "Insubria"]. [Lectotype designated by Rognes (1991c: 365).]

Distribution. Palaearctic – Andorra, Austria, Belarus, Czech Republic, France, Germany, Italy, Latvia, Lithuania, Netherlands, Poland, Romania, Russia, Slovakia, Spain, Switzerland, Ukraine.

Pollenia atricoma Dear, 1986

Pollenia atricoma Dear, 1986: 34. Type locality: New Zealand, South Island, Buller District, Lewis Pass, 1050 m.

Distribution. Australasian – New Zealand.

Pollenia atrifemur Malloch, 1930

Pollenia atrifemur Malloch, 1930: 321. Type locality: New Zealand, South Island, Mid Canterbury District, Upper Hororata.

Distribution. Australasian – New Zealand.

Pollenia bartaki Rognes, 2016

Pollenia bartaki Rognes, 2016: 572. Type locality: Jordan, NW Ajlun, 32°19.877'N, 35°43.110'E, 850 m.

Distribution. Palaearctic – Jordan.

Pollenia bezziana Rognes, 1992

Pollenia bezziana Rognes, 1992: 98. Type locality: Italy, Novara, Masera Commune, Rogna Hamlet.

Distribution. Palaearctic – Italy.

Pollenia bicolor Robineau-Desvoidy, 1830

Pollenia bicolor Robineau-Desvoidy, 1830: 415. Type locality: not stated, probably France, Yonne, Saint-Sauveur-en-Puisaye.

Pollenia guernica: Lehrer (2007c: 21). Unavailable name; proposed without a statement that the name-bearing type will be (or is) deposited in a named collection, here listed under *Pollenia bicolor* Robineau-Desvoidy, 1830.

Distribution. Palaearctic – Andorra, France, Morocco, Portugal, Spain.

Pollenia bulgarica Jacentkovský, 1939

Pollenia bulgarica Jacentkovský, 1939: 190. Type locality: Bulgaria, Sliven and Kloster Bachkovo.

Distribution. Palaearctic – Armenia, Azerbaijan, Bulgaria, Greece, Hungary, Iran, Moldova, Poland, Romania, Slovakia, Turkey, Ukraine.

Pollenia calamisessa Hardy, 1932

Pollenia calamisessa Hardy, 1932: 340. Type locality: Australia, Queensland, Brisbane.

Distribution. Australasian – Australia (Queensland).

Pollenia chotei Kurahashi & Tumrasvin, 1979

Pollenia chotei Kurahashi & Tumrasvin, 1979: 303. Type locality: Thailand, Nakhon Nayok Province, Khao Yai.

Distribution. Oriental – Thailand.

Pollenia commensurata Dear, 1986

Pollenia commensurata Dear, 1986: 35. Type locality: New Zealand, South Island, Mid Canterbury District, Mt. Somers.

Distribution. Australasian – New Zealand.

Pollenia consanguinea Dear, 1986

Pollenia consanguinea Dear, 1986: 35. Type locality: New Zealand, South Island, Central Otago District, Old Man Range, Hyde Rock, 1550–1650 m.

Distribution. Australasian – New Zealand.

Pollenia consectata Dear, 1986

Pollenia consectata Dear, 1986: 35. Type locality: New Zealand, North Island, Auckland District, Huia.

Distribution. Australasian – New Zealand.

Pollenia contempta Robineau-Desvoidy, 1863

Pollenia contempta Robineau-Desvoidy, 1863: 676. Type locality: France, Var, Callian. [Neotype designated by Rognes (1992: 109).]

Distribution. Palaearctic – France, Italy, Portugal, Spain, Tunisia.

Pollenia cuprea Malloch, 1930

Pollenia cuprea Malloch, 1930: 323 [as var. of *demissa* Hutton, 1901]. Type locality: New Zealand, North Island, Whanganui District, Whanganui.

Distribution. Australasian – New Zealand.

Pollenia dasypoda Portschinsky, 1881

Pollenia dasypoda Portschinsky, 1881: 143. Type locality: Georgia, Mtskheta.
Dasypollenia landrocki Jacentkovský, 1941b: 20, 22 [key]. Type locality: Czech Republic, Lednice [Eisgrub].

Distribution. Oriental – India, Pakistan. Palaearctic – Austria, Bulgaria, Czech Republic, Egypt, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Kazakhstan,

Lebanon, Moldova, Poland, Romania, Russia, Saudi Arabia, Slovakia, Syria, Tajikistan, Turkey, Ukraine, West Bank.

Pollenia demissa (Hutton, 1901)

Sepimentum demissa Hutton, 1901: 67. Type locality: New Zealand, North Island, Wellington.
Pollenia minor Malloch, 1930: 323 [as var. of *demissa* Hutton, 1901]. Type locality: New Zealand, North Island, Whanganui District, Whanganui.

Distribution. Australasian – New Zealand.

Pollenia dysaethria Dear, 1986

Pollenia dysaethria Dear, 1986: 37. Type locality: New Zealand, North Island, Auckland District Titirangi.

Distribution. Australasian – New Zealand.

Pollenia dyscheres Dear, 1986

Pollenia dyscheres Dear, 1986: 37. Type locality: New Zealand, South Island, Nelson District, Mt. Owen, 1500 m.

Distribution. Australasian – New Zealand.

Pollenia enetera Dear, 1986

Pollenia enetera Dear, 1986: 38. Type locality: New Zealand, South Island, Fiordland District, Fiordland National Park, Milford.

Distribution. Australasian – New Zealand.

Pollenia erlangshanna Feng, 2004

Pollenia erlangshanna Feng, 2004: 803. Type locality: China, Sichuan, Mt. Erlang, 2750 m.

Distribution. Palaearctic – China (Sichuan).

Pollenia eurybregma Dear, 1986

Pollenia eurybregma Dear, 1986: 38. Type locality: New Zealand, South Island, Central Otago District, Old Man Range, Hyde Rock, 1550–1650 m.

Distribution. Australasian – New Zealand.

Pollenia flindersi Hardy, 1932

Pollenia flindersi Hardy, 1932: 338. Type locality: Australia, Victoria, Flinders.

Distribution. Australasian – Australia (Victoria).

Pollenia fulviantenna Dear, 1986

Pollenia fulviantenna Dear, 1986: 38. Type locality: New Zealand, South Island, Buller District, Nelson Lakes National Park, west side of Lake Rotoit.

Distribution. Australasian – New Zealand.

Pollenia fulvipalpis Macquart, 1835

Pollenia fulvipalpis Macquart, 1835: 270. Type locality: France, Gironde, Bordeaux.
Pollenia bisulca Pandellé, 1896: 152. Type locality: France, Hautes-Pyrénées, Tarbes.
Pollenia flavipalpis: Rondani (1862: 202). Incorrect subsequent spelling of *Pollenia fulvipalpis* Macquart, 1835.

Distribution. Palaearctic – Channel Islands, France, Slovakia, Spain, Switzerland.

Pollenia fumosa (Hutton, 1901)

Sepimentum fumosum Hutton, 1901: 67. Type locality: New Zealand, South Island, "Christchurch or Ashburton".

Distribution. Australasian – New Zealand.

Pollenia griseotomentosa (Jacentkovský, 1944)

Polleniella griseotomentosa Jacentkovský, 1944a: 45. Type locality: Poland, Struga. [Neotype designated by Rognes (1991a: 225).]

Distribution. Nearctic [introduced] – Canada (British Columbia, Ontario); USA (New York, Western Virginia). Palaearctic – Andorra, Austria, Belarus, Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy (mainland, Sardinia), Latvia, Netherlands, Poland, Russia, Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine.

Pollenia grunini Rognes, 1988

Pollenia grunini Rognes, 1988: 318. Type locality: Russia, Karachay-Cherkess Republic (Karachayevo-Cherkesskaya Respublika), 5 km S Teberda.

Distribution. Palaearctic – Armenia, Georgia, Russia.

Pollenia haeretica Séguy, 1928

Pollenia haeretica Séguy, 1928: 374. Type locality: Algeria, Skikda ("Philippeville"). [Lectotype designated by Rognes (2010: 46).]

Distribution. Palaearctic – Algeria, Tunisia, Italy (Sardinia).

Pollenia hazarae (Senior-White, 1923)

Dexopollenia hazarae Senior-White, 1923: 51. Type locality: Pakistan, Abbottabad, 1256 m.

Distribution. Oriental – India, Pakistan.

Pollenia hirticeps Malloch, 1927

Pollenia hirticeps Malloch, 1927: 318. Type locality: Australia, New South Wales, Blue Mts.

Distribution. Australasian – Australia (New South Wales, South Australia).

Pollenia hispida Dear, 1986

Pollenia hispida Dear, 1986: 39. Type locality: New Zealand, South Island, Central Otago District, Old Man Range, Hyde Rock, 1550–1650 m.

Distribution. Australasian – New Zealand.

Pollenia huangshanensis Fan & Chen, 1997

Pollenia huangshanensis Fan & Chen in Fan et al. 1997: 415. Type locality: China, Anhui, Huangshan Mt., 850 m.

Distribution. Palaearctic – China (Anhui).

Pollenia hungarica Rognes, 1987

Pollenia hungarica Rognes, 1987b: 483. Type locality: Hungary, Albertirsa.

Distribution. Palaearctic – Austria, China (Shanghai) [introduced], Czech Republic, Finland, France, Germany, Hungary, Italy, Latvia, Netherlands, Norway, Poland, Russia, Saudi Arabia, Slovakia, Sweden, Switzerland, Ukraine, Yugoslavia.

Pollenia ibalia Séguy, 1930

Pollenia ibalia Séguy, 1930: 148. Type locality: Morocco, Moyen Atlas, Ras el Ksar, 900 m.
Pollenia rungsi Séguy, 1953: 88. Type locality: Morocco, Rabat.
Pollenia funebris Villeneuve, 1933a: 284. Type locality: Morocco, Marrakech. Junior primary homonym of *Pollenia funebris* Robineau-Desvoidy, 1863 [*nomen dubium*, *teste* Schumann, 1986].

Distribution. Nearctic [introduced] – Alaska. Palaearctic – Morocco.

Pollenia immanis Dear, 1986

Pollenia immanis Dear, 1986: 40. Type locality: New Zealand, South Island, Central Otago District, Old Man Range, 1550–1650 m.

Distribution. Australasian – New Zealand.

Pollenia insularis Dear, 1986

Pollenia insularis Dear, 1986: 40. Type locality: New Zealand, Stewart Island, Table Hill, 425–715 m.

Distribution. Australasian – New Zealand.

Pollenia japonica Kano & Shinonaga, 1966

Pollenia japonica Kano & Shinonaga, 1966: 223. Type locality: Japan, Honshu, Miyagi Prefecture, Mt. Zao.

Distribution. Palaearctic – Japan (Honshu, Kyushu).

Pollenia labialis Robineau-Desvoidy, 1863

Pollenia labialis Robineau-Desvoidy, 1863: 67. Type locality: France, Yvelines, Rambouillet. [Neotype designated by Rognes (1991a: 228).]
Pollenia excarinata Wainwright, 1940: 442. Type locality: United Kingdom, Wales, Tan-y-Bwlch.

Distribution. Nearctic [introduced] – Canada (British Columbia, Ontario, Quebec); USA (Colorado, Indiana, Maine, Michigan, New Hampshire, New Mexico, Oregon, Pennsylvania, Vermont, Washington). Palaearctic – Andorra, Austria, Belgium, Bosnia and Herzegovina, China (Anhui, Henan) [introduced], Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine.

Pollenia lativertex Dear, 1986

Pollenia lativertex Dear, 1986: 41. Type locality: New Zealand, Stewart Island, Table Hill, 425–715 m.

Distribution. Australasian – New Zealand.

Pollenia leclercqiana (Lehrer, 1978)

Nitellia leclercqiana Lehrer, 1978: 139. Type locality: Spain, Madrid, Valdemoro.

Distribution. Palaearctic – France, Spain (Balearic Islands, mainland), Morocco.

Pollenia limpida Dear, 1986

Pollenia limpida Dear, 1986: 41. Type locality: New Zealand, South Island, Southland District, Mt. Barber, 1155 m.

Distribution. Australasian – New Zealand.

Pollenia luteovillosa Rognes, 1987

Pollenia luteovillosa Rognes, 1987b: 490. Type locality: Morocco, Haut Atlas, Jbel Ayachi, Mikdane.

Distribution. Palaearctic – Algeria, Morocco, Portugal, Spain.

Pollenia mayeri Jacentkovský, 1941

Pollenia mayeri Jacentkovský, 1941a: 14. Type locality: Czech Republic, Brno-Bystrec, Lednice (Eisgrub).
Polleniella distincta Jacentkovský, 1941b: 20, 22. *Nomen nudum*.

Distribution. Palaearctic – Belarus, Czech Republic, Germany, Hungary, Netherlands, Poland, Romania, Slovakia, Ukraine.

Pollenia mediterranea Grunin, 1966

Pollenia mediterranea Grunin, 1966: 899. Type locality: Italy, "Vittoria-Liguria" [possibly = Nostra Signora della Vittoria, Appennino Ligure, Liguria].
Nitellia hermoniella Lehrer, 2007a: 24. Type locality: Israel, Mt. Hermon, 1600–2000 m. Syn. nov.

Distribution. Palaearctic – Israel, Italy.

Pollenia mesopotamica Mawlood & Abdul-Rassoul, 2009

Pollenia mesopotamica Mawlood & Abdul-Rassoul, 2009: 59. Type locality: Iraq.

Distribution. Palaearctic – Iraq.

Pollenia moravica (Jacentkovský, 1941)

Chaetopollenia moravica Jacentkovský, 1941b: 21. Type locality: Czech Republic, Brno, Skolny Statek Adamov, Hády.
Chaetopollenia pseudobisulca Jacentkovský, 1941b: 21, 23 [key]. Type locality: Czech Republic, Brno.

Distribution. Palaearctic – Austria, Croatia, Czech Republic, Hungary, Poland, Romania, Slovakia, Ukraine, Yugoslavia.

Pollenia moretonensis Macquart, 1855

Pollenia moretonensis Macquart, 1855a: 136. Type locality: Australia, Queensland, Moreton Bay.

Distribution. Australasian – Australia (Queensland).

Pollenia mystica Rognes, 1988

Pollenia mystica Rognes, 1988: 322. Type locality: Georgia, Tskhratskaro, 2460 m.

Distribution. Palaearctic – Armenia, Georgia.

Pollenia nigripalpis Dear, 1986

Pollenia nigripalpis Dear, 1986: 41. Type locality: New Zealand, Three Kings Islands, Great Island.

Distribution. Australasian – New Zealand.

Pollenia nigripes Malloch, 1930

Pollenia nigripes Malloch, 1930: 320. Type locality: New Zealand, South Island, Westland District, Kumara.

Distribution. Australasian – New Zealand.

Pollenia nigrisquama Malloch, 1930

Pollenia nigrisquama Malloch, 1930: 319. Type locality: New Zealand, South Island, Westland District, Kumara.

Distribution. Australasian – New Zealand.

Pollenia nigrita Malloch, 1936

Pollenia nigrita Malloch, 1936: 22. Type locality: Australia, New South Wales, Yaouk, 1067 m.

Distribution. Australasian – Australia (New South Wales).

Pollenia notialis Dear, 1986

Pollenia notialis Dear, 1986: 43. Type locality: New Zealand, Stewart Island, Table Hill, Hut Creek, 300 m.

Distribution. Australasian – New Zealand.

Pollenia opalina Dear, 1986

Pollenia opalina Dear, 1986: 43. Type locality: New Zealand, South Island, Nelson District, Takaka Hill, 610 m.

Distribution. Australasian – New Zealand.

Pollenia oreia Dear, 1986

Pollenia oreia Dear, 1986: 43. Type locality: New Zealand, South Island, Central Otago District, Dunstan Range, summit, 1590–1650 m.

Distribution. Australasian – New Zealand.

Pollenia paragrunini Rognes, 1988

Pollenia paragrunini Rognes, 1988: 325. Type locality: Azerbaijan, Syunik, Betschenagsku Pass.

Distribution. Palaearctic – Armenia, Azerbaijan.

Pollenia paupera Rondani, 1862

Pollenia paupera Rondani, 1862: 196, 200. Type locality: Malta and Gozo. [Lectotype designated by Rognes (1991c: 366).]
Pollenia longitheca Rognes, 1987b: 487. Type locality: Cyprus, Amathus.

Distribution. Palaearctic – Algeria, Cyprus, France (Corsica), Greece (Crete, Dodekanisos, mainland), Iran, Israel, Italy (mainland, Sardinia, Sicily), Malta, Turkey, Ukraine.

Pollenia pectinata Grunin, 1966

Pollenia pectinata Grunin, 1966: 899. Type locality: Russia, Primorskiy Kray, east slope of Sikhote-Alin, valley of Sankhobe River.

Distribution. Palaearctic – China (Liaoning), Mongolia, Poland, Russia.

Pollenia pediculata Macquart, 1834

Pollenia pediculata Macquart, 1834: 19(155). Type locality: France, Nord, near Lille. *Remarks*. Rognes (1991a: 234) acted as First Reviser giving *pediculata* precedence over *coerulescens*.
Pollenia coerulescens Macquart, 1834: 17(153) [as *cœrulescens*]. Type locality: France, Nord, near Lille.
Pollenia obscura Bigot, 1887: 173. Type locality: North America. Junior secondary homonym of *Musca obscura* Fabricius, 1794: 315 (= *Musca rudis* Fabricius, 1794).
Pollenia pseudorudis Rognes, 1985: 90. New replacement name for *P. obscura* Bigot, 1887.

Distribution. Afrotropical [introduced] – South Africa. Australasian [introduced] – New Zealand. Nearctic [introduced] – Canada (British Columbia, Ontario, Quebec, Saskatchewan); USA (Arkansas, California, Colorado, Delaware, Idaho, Illinois, Iowa, Kentucky, Michigan, Minnesota, Missouri, Nebraska, Nevada, New Mexico, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Dakota, Utah, Virginia, Washington, Wisconsin, Wyoming). Neotropical [introduced] – Bahamas. Oriental – India, Pakistan. Palaearctic – Andorra, Armenia, Austria, Belgium, Bosnia and Herzegovina, China (Shanghai, Xinjiang, Zhejiang), Croatia, Cyprus, Czech Republic, Denmark, Finland, France (Corsica, mainland), Germany, Great Britain, Greece, Hungary, Italy, Macedonia, Netherlands, Norway, Poland, Portugal (Madeira, mainland), Romania, Russia, Saudi Arabia, Slovakia, Spain, Sweden, Switzerland, Ukraine, Yugoslavia.

Pollenia pernix (Hutton, 1901)

Gymnophania pernix Hutton, 1901: 61. Type locality: New Zealand, South Island, Mid Canterbury District, Christchurch.

Distribution. Australasian – New Zealand.

Pollenia ponti Rognes, 1991

Pollenia ponti Rognes, 1991b: 457. Type locality: Spain, Granada, 3 km NE Granada.

Distribution. Palaearctic – Italy (mainland, Sicily), Morocco, Portugal, Slovakia, Spain, Ukraine.

Pollenia primaeva Dear, 1986

Pollenia primaeva Dear, 1986: 44. Type locality: New Zealand, South Island, Mid Canterbury District, Mt. Somers.

Distribution. Australasian – New Zealand.

Pollenia pseudintermedia Rognes, 1987

Pollenia pseudintermedia Rognes, 1987a: 382. Type locality: Spain, Granada, Rio Guadalfeo, Orgiva.

Distribution. Palaearctic – Greece, Israel, Italy (Sardinia), Macedonia, Portugal, Spain.

Pollenia pseudomelanurus (Feng, 2004)

Xanthotryxus pseudomelanurus Feng, 2004: 805. Type locality: China, Sichuan, Mt. Erlang, 3100 m.

Distribution. Palaearctic – China (Sichuan).

Pollenia pulverea Dear, 1986

Pollenia pulverea Dear, 1986: 45. Type locality: New Zealand, Stewart Island, Table Hill, 425–715 m.

Distribution. Australasian – New Zealand.

Pollenia rudis (Fabricius, 1794)

Musca rudis Fabricius, 1794: 314. Type locality: Germany, Schleswig-Holstein, Grömitz. [Neotype designated by Rognes (1987b: 498).]
Musca obscura Fabricius, 1794: 315. Type locality: Germany. [See Rognes (1987b: 496) for details.]
Musca varia Meigen, 1826: 66. Type locality: Germany, Nordrhein-Westfalen, probably Stolberg, near Aachen. Junior primary homonym of *Musca varia* Gmelin, 1790: 2843.

Distribution. Australasian [introduced] – New Zealand. Nearctic [introduced] – Bermuda; Canada (British Columbia, Ontario, Quebec, Terranova and Labrador); USA (Arizona, California, Colorado, Delaware, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kentucky, Massachusetts, Michigan, Minnesota, Nevada, New Jersey, New Mexico, New York, North Carolina, Ohio, Oregon, Pennsylvania, Tennessee, Utah, Virginia, Washington, Western Virginia, Wisconsin). Oriental [introduced] – China (Guangdong), India, Nepal, Pakistan. Palaearctic – Albania, Algeria, Andorra, Austria, Belarus, Belgium, China (Shanghai) [introduced], Cyprus, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece (Crete, mainland), Hungary, Ireland, Italy (mainland, Sardinia, Sicily), Japan (widespread), Lithuania, Morocco, Netherlands, Norway, Poland, Portugal (Azores Islands, Madeira, mainland), Romania, Russia, Saudi Arabia, Slovakia, Spain (Canary Islands, mainland), Sweden, Switzerland, Turkey, Ukraine, Uzbekistan.

Pollenia ruficrura Rondani, 1862

Pollenia ruficrura Rondani, 1862: 196, 202. Type locality: Italy, Parma.
Nitellia ospedaliana: Lehrer (2007a: 21). Unavailable name; proposed without a statement that the name-bearing type will be (or is) deposited in a named collection, here listed under *Pollenia ruficrura* Rondani, 1862.

Distribution. Palaearctic – France (Corsica), Italy (mainland, Sardinia), Morocco.

Pollenia rufifemorata Rognes & Baz, 2008

Pollenia rufifemorata Rognes & Baz, 2008: 391. Type locality: Spain, Sierra de Guadarrama Mts, Madrid Province, between Lozoya and Puerto de Navafria, 1400 m.

Distribution. Palaearctic – Spain.

***Pollenia sakulasi* (Kurahashi, 1987)**

Dexopollenia sakulasi Kurahashi, 1987: 68. Type locality: Papua New Guinea.

Distribution. Australasian – Papua New Guinea.

***Pollenia sandaraca* Dear, 1986**

Pollenia sandaraca Dear, 1986: 45. Type locality: New Zealand, Stewart Island, Rakeahua Valley.

Distribution. Australasian – New Zealand.

***Pollenia scalena* Dear, 1986**

Pollenia scalena Dear, 1986: 46. Type locality: New Zealand, Snares Islands, Biological Station.

Distribution. Australasian – New Zealand.

***Pollenia semicinerea* Villeneuve, 1911**

Pollenia semicinerea Villeneuve, 1911b: 51. Type locality: Syria, between Homs and Bahret Homs [Quattinah Lake]. [Lectotype designated by Rognes (1988: 333).]
Pollenia bentalia Lehrer, 2007c: 23. Type locality: Israel, Golan Heights, Mt. Hermon, 2000 m. Syn. nov.

Distribution. Palaearctic – Israel, Lebanon, Syria.

***Pollenia shaanxiensis* Fan & Wu, 1997**

Pollenia shaanxiensis Fan & Wu in Fan et al. 1997: 418. Type locality: China, Shaanxi, Huanglong.

Distribution. Palaearctic – China (Shaanxi).

***Pollenia sichuanensis* Feng, 2004**

Pollenia sichuanensis Feng, 2004: 804. Type locality: China, Sichuan, Mao County, 2300 m.

Distribution. Palaearctic – China (Sichuan).

Pollenia similis (Jacentkovský, 1941)

Dasypollenia similis Jacentkovský, 1941b: 20. Type locality: Czech Republic, Brno, Lednice, Ráječek.

Distribution. Palaearctic – Albania, Austria, Czech Republic, Germany, Hungary, Poland, Slovakia, Ukraine.

Pollenia stigi Rognes, 1992

Pollenia stigi Rognes, 1992: 104. Type locality: Morocco, Azzou-Ifrane area.

Distribution. Palaearctic – Morocco.

Pollenia stolida Malloch, 1936

Pollenia stolida Malloch, 1936: 21. Type locality: Australia, New South Wales.

Distribution. Australasian – Australia (New South Wales).

Pollenia tenuiforceps Séguy, 1928

Pollenia tenuiforceps Séguy, 1928: 375. Type locality: not given, probably France.
Dasypoda angustifrons Jacentkovský, 1941b: 8 (Czech), 58 (German). Type locality: Czech Republic, Brno, Ráječek. Syn. nov.

Distribution. Palaearctic – Algeria, Bosnia and Herzegovina, Czech Republic, France, Hungary, Romania, Slovakia, Slovenia, Switzerland, Ukraine.

Pollenia townsendi Senior-White, Aubertin & Smart, 1940

Pollenia townsendi Senior-White, Aubertin & Smart, 1940: 119. Type locality: India, Himachal Pradesh.

Distribution. Oriental – India.

Pollenia umbrifera (Walker, 1861)

Musca umbrifera Walker, 1861: 267. Type locality: Indonesia, Sulawesi, Tondano.

Distribution. Oriental – Indonesia.

Pollenia uniseta Dear, 1986

Pollenia uniseta Dear, 1986: 46. Type locality: New Zealand, South Island, Central Otago District, Old Man Range, Hyde Rock, 1550–1650 m.

Distribution. Australasian – New Zealand.

Pollenia vagabunda (Meigen, 1826)

Musca vagabunda Meigen, 1826: 72. Type locality: Germany, Nordrhein-Westfalen, probably Stolberg, near Aachen. [Lectotype designated by Rognes (1991a: 238).]
Pollenia pulvillata Rondani, 1862: 195, 198. Type locality: Italy, Parma.
Pollenia hasei Séguy, 1928: 370. Type locality: Spain, Madrid Province, Cercedilla.
Nitellia norwegiana: Lehrer (2007b: 5). Unavailable name; proposed without a statement that the name-bearing type will be (or is) deposited in a named collection, here listed under *Pollenia vagabunda* (Meigen, 1826).

Distribution. Nearctic [introduced] – Canada (British Columbia, Nova Scotia, Ontario, Prince Edward Island, Quebec); USA (Alaska, Connecticut, Maine, Massachusetts, New Hampshire, New Mexico, New York, Pennsylvania, Virginia). Oriental [introduced] – India. Palaearctic – Andorra, Austria, Belarus, Belgium, China (Shanghai) [introduced], Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia, Lithuania, Morocco, Netherlands, Norway, Poland, Portugal, Russia, Slovakia, Spain, Sweden, Tunisia, Ukraine.

Pollenia venturii Zumpt, 1956

Pollenia venturii Zumpt, 1956: 79. Type locality: Italy, Florence Province, Tavarnuzze.
Pollenia solitaria Grunin, 1970: 480. Type locality: Russia, Krasnodar Krai: Lvovskoye, 18 km NNW Severskaya Station.

Distribution. Palaearctic – France, Germany, Greece, Iran, Italy (mainland, Sardinia), Netherlands, Poland, Russia.

Pollenia vera Jacentkovský, 1936

Pollenia vera Jacentkovský, 1936: 114. Type locality: Bulgaria, Vitosha and Sliven.
Pollenia vera var. *latifrons* Jacentkovský, 1941b: 21. Type locality: not stated, probably Bulgaria, Vitosha and Sliven.

Distribution. Palaearctic – Austria, Bulgaria, Czech Republic, France, Greece, Hungary, Moldova, Poland, Romania, Slovakia, Ukraine, Yugoslavia.

Pollenia verneri Rognes, 1992

Pollenia verneri Rognes, 1992: 98. Type locality: Spain, Jaen, 10 km W La Carolina.

Distribution. Palaearctic – Portugal, Spain.

Pollenia viatica Robineau-Desvoidy, 1830

Pollenia viatica Robineau-Desvoidy, 1830: 413. Type locality: not stated, probably France, Yonne, Saint-Sauveur-en-Puisaye. [Lectotype designated by Rognes (1991b: 486).]
Pollenia fulvicornis Robineau-Desvoidy, 1830: 413. Type locality: not stated, probably France, Yonne, Saint-Sauveur-en-Puisaye.
Pollenia vivida Robineau-Desvoidy, 1830: 413. Type locality: not stated, probably France, Yonne, Saint-Sauveur-en-Puisaye.
Pollenia pallida Rohdendorf, 1926: 103. Type locality: Uzbekistan, Tashkent District, Ak-Tash Mts, 50 km NE Tashkent ["Ak-Tash-Gebirge, Turkestan (50 km nordöstlich von Tashkent)" as given by Rohdendorf (1928: 338)]. [Lectotype designated by Rognes (1991a: 230).]
Pollenia luciensis Mercier, 1930: 320. Type locality. France, Calvados, Luc-sur-Mer. [As subspecies of *Pollenia rudis* (Fabricius, 1794).]
Pollenia carinata Wainwright, 1940: 442. Type locality: United Kingdom, East Sussex, Lewes, Malling Hill. [As subspecies of *Pollenia rudis* (Fabricius, 1794).]

Distribution. Palaearctic – Armenia, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, France, Germany, Great Britain, Greece, Hungary, Iran, Israel, Italy, Jordan, Kazakhstan, Kyrgyzstan, Lebanon, Malta, Moldova, Netherlands, Poland, Romania, Slovakia, Sweden, Syria, Turkey, Ukraine, Uzbekistan, West Bank, Yugoslavia.

Pollenia viridiventris Macquart, 1847

Pollenia viridiventris Macquart, 1847: 100. Type locality: Australia, Tasmania.

Distribution. Australasian – Australia (Tasmania).

Nomen dubium and incerta sedis

Volucella cervina Schrank, 1803: 136. Type locality: near Ingolstadt, Germany.

Genus *Xanthotryxus* Aldrich, 1930

Xanthotryxus Aldrich, 1930: 3. Type species: *Xanthotryxus mongol* Aldrich, 1930, by original designation.

Xanthotryxus auratus (Séguy, 1934)

Pollenia aurata Séguy, 1934: 22. Type locality: China, Xizang, Moupin.

Distribution. Palaearctic – China (Xizang).

Xanthotryxus bazini (Séguy, 1934)

Pollenia bazini Séguy, 1934: 23. Type locality: China, Jiangxi, Kou-ling.

Distribution. Palaearctic – China (Jiangxi).

Xanthotryxus draco Aldrich, 1930

Xanthotryxus draco Aldrich, 1930: 4. Type locality: China, Sichuan, Yellow Dragon Gorge.

Distribution. Palaearctic – China (Sichuan).

Xanthotryxus ludingensis Fan, 1992

Xanthotryxus ludingensis Fan in Chen, Fan & Fang, 1992: 1204. Type locality: China, Sichuan, Luding.

Distribution. Palaearctic – China (Sichuan).

Xanthotryxus melanurus Fan, 1992

Xanthotryxus melanurus Fan in Chen, Fan & Fang, 1992: 1205. Type locality: China, Sichuan, Mt. Gonggashan, Yanzigou.

Distribution. Palaearctic – China (Sichuan).

Xanthotryxus mongol Aldrich, 1930

Xanthotryxus mongol Aldrich, 1930: 3. Type locality: China, Sichuan.

Distribution. Palaearctic – China (Sichuan), Japan (Kyushu), South Korea (Quelpart Island).

Xanthotryxus uniapicalis Fan, 1992

Xanthotryxus uniapicalis Fan in Chen, Fan & Fang, 1992: 1206. Type locality: China, Yunnan, Weixi.

Distribution. Oriental – China (Yunnan).

Taxa tentatively assigned to Polleniidae

Genus *Anthracomyza* Malloch, 1928, resurrected name

Anthracomyia Malloch, 1927: 319. Type species: *Anthracomyia atratula* Malloch, 1927, by original designation. Junior homonym of *Anthracomyia* Rondani, 1868.
Anthracomyza Malloch, 1928: 360. New replacement name for *Anthracomyia* Malloch, 1927.

Anthracomyza atratula (Malloch, 1927)

Anthracomyia atratula Malloch, 1927: 319. Type locality: Australia, New South Wales, Killara.

Distribution. Australasian – Australia (New South Wales).

Remarks. The Australian Faunal Directory lists the species as *Anthracomyia atratula* Malloch, 1927 (Elliot 2007), while it is listed as *Morinia atratula* Malloch, 1927 in the Catalogue of Life (Roskov et al. 2019). Malloch (1928: 360) proposed *Anthracomyza*

as a new replacement name for his own *Anthracomyia*, correctly arguing that the latter is "preoccupied by *Anthracomyia* Rondani". *Anthracomyza* was later listed as an unnecessary new name in the catalogue of Australasian Diptera (Kurahashi 1989), probably because Rondani (1856) originally gave the spelling *Anthracomya*, which differs by one letter and therefore does not enter into homonymy (ICZN 1999; article 56.2). However, as given by O'Hara et al. (2011), Rondani (1868) later emended his own spelling to *Anthracomyia*, and although this is now recognised as an unjustified emendation, it is an available name with separate authorship and therefore preoccupies *Anthracomyia* of Malloch (1927).

We here maintain *Anthracomyza* as a valid, monotypic genus; however, a careful examination of male and female terminalia is necessary to ascertain whether *Anthracomyza* belongs to Polleniidae.

Genus *Nesodexia* Villeneuve, 1911

Nesodexia Villeneuve, 1911a: 123. Type species: *Nesodexia corsicana* Villeneuve, 1911, by monotypy.

Nesodexia corsicana Villeneuve, 1911

Nesodexia corsicana Villeneuve, 1911a: 123. Type locality: France, Corsica, Ajaccio, Campo d'Oro.

Distribution. Palaearctic – France (Corsica).

Remarks. According to Rognes (1991a) *Nesodexia corsicana* has the ventral and lateroventral surface of distalmost parts of acrophallus provided with scale-like spinules (Rognes 1991a), thus the species does not share a key synapomorphic character state supporting monophyly of Polleniidae. Moreover, the general habitus and, in particular, the head profile, characterised by a prominent lower facial margin, of *N. corsicana* are reminiscent of many phumosiine calliphorids. However, unlike all phumosiines, the katatergite of *Nesodexia* is bare (Rognes 1997), and more data are needed to resolve its phylogenetic position.

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